

BIOCHEMISTRY

Bachelor of Science Biochemistry

A minimum of 120 credit hours is required for a Bachelor of Science degree in Biochemistry, and an average of at least two grade points per credit hour must be obtained. These requirements for the B.S. degree are in addition to credit received for algebra, trigonometry, and basic ROTC.

General Education Electives must fulfill the Missouri S&T general education requirements applicable to the student's catalog year.

Freshman Year			
First Semester	Credits	Second Semester	Credits
CHEM 1100	1	BIO SCI 1213	3
CHEM 1110	1	BIO SCI 1219	1
CHEM 1310	4	CHEM 1320	3
CHEM 1319	1	CHEM 4010	1
ENGLISH 1120	3	ENGLISH 1160 or SPM S 1185	3
MATH 1214 or 1210 <i>and</i> 1211	4	MATH 1215	4
	14		15
Sophomore Year			
First Semester	Credits	Second Semester	Credits
BIO SCI 2213	3	CHEM 2220	3
BIO SCI 2219	1	CHEM 2229	1
CHEM 2210	3	CHEM 2510	4
CHEM 2219	1	General Education Elective ¹	3
COMP SCI 1973	2	PHYSICS 2145	4
COMP SCI 1983	1		
PHYSICS 1145	4		
	15		15
Junior Year			
First Semester	Credits	Second Semester	Credits
CHEM 4610	3	BIO SCI 2223	3
CHEM 4619	2	CHEM 4620	3
General Education Elective ¹	3	General Education Elective ¹	3
General Elective	3	General Electives	6
STAT 3425	4		
	15		15
Senior Year			
First Semester	Credits	Second Semester	Credits
CHEM 4099	1	BIO SCI 3313	3
CHEM 4630	3	CHEM 2410	3
General electives	9	CHEM 4650	3
HISTORY 1200, or 1300, or 1310, or POL SCI 1200	3	General Education Elective ¹	3
		General Electives	3
	16		15

Total Credits: 120

Notes:

Grade Requirements: A minimum grade of "C" is required for each chemistry course counted towards the degree.

ROTC: Basic ROTC may be taken in the freshman and sophomore year, but does not count towards the degree.

Electives: The degree has twenty-one (21) hours of general electives credit that may not include Math courses prerequisite to calculus. Not more than one (1) credit hour of CHEM 4010 can be included for degree credit. Up to eight (8) credit hours may be taken of CHEM 4099.

¹ Gen. Ed. Elective must fulfill the Missouri S&T general education requirements applicable to the students catalog year.